

ABSTRACT

An electrically operated fast-food service window with a plurality of  
 upwardly focused infrared emitter/receivers mounted on the ~~internal side of a~~  
 fast-food service window in a manner <sup>that the emitter/receivers beams</sup> such to emit an infrared beam at an angle  
 slightly askew of <sup>an imaginary plane</sup> the vertical axis. The sensors are used to reliably detect an  
 employee in the immediate proximity of <sup>the</sup> a fast-food service window as the clerk <sup>employee</sup>  
 bends over the horizontal service shelf <sup>adjacent to and attached to the fast-food service window</sup> as the clerk begins to reach towards a  
 customer. The sensors, although focused towards the interior of a building, do  
 not detect employees or traffic in the immediate vicinity of the fast-food service  
 window thereby virtually eliminating the unintentional opening of the window.  
 The uniquely oriented sensors are connected to an electric motor operator which  
 opens the window as an employee prepares to deliver merchandise or other  
 items to a customer. As the clerk retreats from the fast-food service window  
 area, the sensors then detect the absence of the clerk thereby causing the motor  
 operator to close the fast-food service window.